

Notice of Allowability

Application No.

09/903,836

Examiner

Andrew C. Lee

Applicant(s)

FANGMAN ET AL.

Art Unit

2664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/10/2005.
2. ☒ The allowed claim(s) is/are 1-5, 7 - 20, 22-36, 38 - 46 renumbered respectively as 1-43.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Ajit Patel
Primary Examiner

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>1/25/2006</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Mark S. Williams on 1/25/2006.

The application has been amended as follows:

Claims 6, 21, 37 ^{have been} 47 cancelled.
^

Claim 1 has been amended as follows:

1. A method for performing IP telephony, comprising:
receiving an identifier from the IP telephone;
determining if the identifier is valid; and
if the identifier is valid, assigning a range of port numbers to the IP telephone based on the identifier, wherein the IP telephone is operable to use at least a subset of the range of port numbers to send or receive IP communications;
a Service Gateway receiving a data packet from ~~[[an]]~~ the IP telephone, wherein the data packet comprises a private source IP address of the IP telephone, a source port number, and destination information associated with an IP device;
the Service Gateway performing a network address persistent port translation (NAPPT) on the data packet, including storing translation information in a data structure, wherein the translation information comprises:
the private source IP address of the IP telephone;
a public IP address of the Service Gateway; and
the assigned ports for the IP telephone; and
the Service Gateway sending the data packet to the IP device.

Claim 16 has been amended as follows:

16. (Currently Amended) A system for performing IP telephony, comprising:

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a network;
an IP telephone;
a Service Gateway, wherein the Service Gateway is operable to couple to the IP telephone through the network;
wherein the Service Gateway is further operable to:
receiving an identifier from the IP telephone;
determining if the identifier is valid; and
if the identifier is valid, assigning a range of port numbers to the IP telephone based on the identifier, wherein the IP telephone is operable to use at least a subset of the range of port numbers to send or receive IP communications;
receive a data packet from an IP telephone, wherein the data packet comprises a private source IP address, a source port number, and destination information associated with an IP device;
perform a network address persistent port translation (NAPPT) on the data packet, including storing translation information in a data structure, wherein the translation information comprises:
the private source IP address of the IP telephone;
a public IP address of the Service Gateway; and
assigned ports for the IP telephone; and
send the data packet to the IP device.

Claim 32 has been amended as follows:

32. A memory medium comprised in a Service Gateway, wherein the memory medium is operable to store program instructions which are executable to perform:
receiving an identifier from the IP telephone;
determining if the identifier is valid;
if the identifier is valid, assigning a range of port numbers to the IP telephone based on the identifier, wherein the IP telephone is operable to use at least a subset of the range of port numbers to send or receive IP communications;
receiving a data packet from an IP telephone, wherein the data packet comprises a private source IP address, a source port number, and destination information associated with an IP device;
performing a network address persistent port translation (NAPPT) on the data packet, including storing translation information in a data structure, wherein the translation information comprises:
the private source IP address of the IP telephone;
a public IP address of the Service Gateway; and
assigned ports for the IP telephone; and
sending the data packet to the IP device.

Allowable Subject Matter

2. Claims 1 – 5, 7 – 20, 22 – 36, 38 – 46 renumbered respectively as 1 – 43 are allowed.

The following is an examiner's statement of reasons for allowance:

Prior art of record does not disclose, in single or in combination, receiving an identifier from the IP telephone; determining if the identifier is valid; and if the identifier is valid, assigning a range of port numbers to the IP telephone based on the identifier, wherein the IP telephone is operable to use at least a subset of the range of port numbers to send or receive IP communications; the private source IP address of the IP telephone; a public IP address of the Service Gateway; and assigned ports for the IP telephone; and sending the data packet to the IP device in combination with other limitations of claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew C. Lee whose telephone number is (571) 272-3131. The examiner can normally be reached on Monday through Friday from 8:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on (571) 272-3134. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Ajit Patel
Primary Examiner

ACL

Jan 26, 2006